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DDI-1204-70

NPIC/D-71-70

1 MAY 1970

MEMORANDUM FOR: Assistant Deputy Director for Intelligence

SUBJECT : Request for Approval of a Research and Development Contract for the Development of a Dry Silver Enlarger/Viewer/Printer [redacted] for [redacted] from FY-1970 R&D Funds

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1. This memorandum requests approval to commit funds for a research and development contract. The specific request is stated in Paragraph 3.

2. In 1964, NPIC entered into a cost-sharing, no fee contract with the [redacted] for the development of a highly promising, proprietary, photo reproduction process. Under this contract, research and development of basic materials, along with the development of experimental reproduction techniques and equipment, has continued to date. Certain dry process material developments have reached fruition and are now ready to be phased into the Center to fulfill pressing operational requirements. This equipment will be the first prototype unit using dry silver, heat processing reproduction material to be designed for specific functional use in the Center.

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3. This development will result in a device which will project an enlargement for viewing from a film transparency and also make selected enlarged prints under normal roomlight conditions. The newly developed [redacted] dry silver enlarging paper is the medium used to obtain the quick printout. Equipment controls have been automated to simplify operation by photo interpreters. This enlarger/reader/printer will be utilized by graphics personnel as well as by the photo interpreters. Graphics personnel can use the enlargements to compose rough drafts of briefing boards and viewgraphs, thereby expediting delivery and eliminating costly, time-consuming remakes. At the present time, photo interpreters, either have to rough-sketch an image or obtain a photo lab enlargement in order to task the Photogrammetric Division with specific mensuration requests. The enlarger/reader/printer will allow the PI to produce working copies quickly and conveniently. In addition to the quick response capability, this process will help relieve the photo lab of a large volume of small special order requests.

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4. The enlarger/reader/printer, five copies of an Operator Maintenance Manual, a critical spare parts list, and regular monthly progress/financial reports are stated as deliverable items. [redacted]

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has proposed a ten-month schedule for delivery of the finished equipment which will use the new dry silver enlarging paper developed under our research contract. Since this equipment is essentially a series of modifications to a successful piece of equipment developed by the U.S. Navy, the technical risk involved is minor.

5. At the present stage of development, the dry silver materials and processing involved is still proprietary to the [REDACTED] Therefore, sole source procurement is essential.

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6. No immediate follow-on effort is presently planned for the enlarger/reader/printer. However, it is expected that after successful operational testing, the concept of a roomlight, near real-time, enlarging capability will be adapted to various other NPIC operations.

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8. It is requested that approval be granted for the commitment of R&D funds for this contract in an amount not to exceed [REDACTED] to be charged to FY-70 R&D funding.

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ARTHUR C. LUNDAHL
Director

National Photographic Interpretation Center

Attachments:

1. [REDACTED] Proposal
2. Form 242a

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APPROVED:

[REDACTED]
Assistant Deputy Director for Intelligence

1 MAY 1970

Date

Distribution:

- Original - NPIC/TSSG/SC&PS (After approval)
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